

SequenceListing
SEQUENCE LISTING

<110> SANKT-PETERBURGSKAYA OBSCHESTVENNAYA ORGANIZATSIIA
"SANKT-PETERBURGSKIY INSTITUT BIOREGULYATSII I GERONTOLOGII SZO
RAMN"

<120> Tetrapeptide regulating blood glucose level in diabetes mellitus

<130> 252185

<140> US 10/580,957

<141> 2006-05-30

<150> RU 2003135605

<151> 2003-12-10

<160> 2

<170> PatentIn version 3.5

<210> 1

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Tetrapeptide Lys-Glu-Asp-Trp-NH₂ regulates glucose level in the
organism in diabetes mellitus by increasing insulin secretion and
tissue sensitivity to it.

<400> 1

Lys Glu Asp Trp
1

<210> 2

<211> 4

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic intermediate with double benzylloxycarbonyl protection
on Lys and benzyl ester protection on Glu and Asp

<220>

<221> MOD_RES

<222> (1)..(1)

<223> ACETYLATION

<220>

<221> MOD_RES

<222> (2)..(3)

<223> BLOCKED

<400> 2

Lys Glu Asp Trp
1